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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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09/058,335    04/10/98    HEGDE    G    PMS238256

WM02/1122  
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EXAMINER

LEE, C

ART UNIT

PAPER NUMBER

2663

DATE MAILED:

11/22/00

**Please find below and/or attached an Office communication concerning this application or proceeding.**

**Commissioner of Patents and Trademarks**

# Office Action Summary

Application No.

09/058,335

Applicant(s)

Hedge

Examiner

Andrew Lee

Group Art Unit

2663



☒ Responsive to communication(s) filed on Sep 14, 2000

☐ This action is **FINAL**.

☐ Since this application is in condition for allowance except for formal matters, **prosecution as to the merits is closed** in accordance with the practice under *Ex parte Quayle*, 35 C.D. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire 3 month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

## Disposition of Claim

☒ Claim(s) 1-25 and 27-44 is/are pending in the applicat

Of the above, claim(s) \_\_\_\_\_ is/are withdrawn from consideration

☒ Claim(s) 11-25 and 27-43 is/are allowed.

☒ Claim(s) 1, 4, 8-10, and 44 is/are rejected.

☒ Claim(s) 2, 3, and 5-7 is/are objected to.

☐ Claims \_\_\_\_\_ are subject to restriction or election requirement.

## Application Papers

☐ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.

☐ The drawing(s) filed on \_\_\_\_\_ is/are objected to by the Examiner.

☐ The proposed drawing correction, filed on \_\_\_\_\_ is ☐ approved ☐ disapproved.

☐ The specification is objected to by the Examiner.

☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. § 119

☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

☐ All ☐ Some\* ☒ None of the CERTIFIED copies of the priority documents have been

☐ received.

☐ received in Application No. (Series Code/Serial Number) \_\_\_\_\_

☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\*Certified copies not received: \_\_\_\_\_

☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

## Attachment(s)

☒ Notice of References Cited, PTO-892

☐ Information Disclosure Statement(s), PTO-1449, Paper No(s). \_\_\_\_\_

☐ Interview Summary, PTO-413

☐ Notice of Draftsperson's Patent Drawing Review, PTO-948

☐ Notice of Informal Patent Application, PTO-152

— SEE OFFICE ACTION ON THE FOLLOWING PAGES —

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## DETAILED ACTION

### *Response to Arguments*

1. Applicant's arguments with respect to claims 1, 4, 8-10, and 44 have been considered but are moot in view of the new ground(s) of rejection.

2.

### *Claim Rejections - 35 USC § 102*

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

4. Claims 1, 4, 8-10 and 44 are rejected under 35 U.S.C. 102(e) as being anticipated by Murthy et al U.S. Patent No. Bare U.S. Patent No. 5,920,699.

Re Claim 1, Bare teaches in fig 1, MAC table 104 table in combination with the ARP 103 (flow table having plurality of records); wherein the ASIC 101 in combination with VSE102 (switch module) is coupled to the plurality of network ports 105 and 104 & 103, wherein ASIC in combination with VSE perform router functions in the level 2 & 3 switching in the network switch (see col 3, lines 10-26); in particular ASIC 101 (means for forwarding a first packet) communicates with the MAC 104 to lookup the layer 2 records received from the network ports

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(first and second hosts) and VSE (means for forwarding a second packet) communicates with the ARP to lookup the layer 3 records received from the network ports (third and fourth hosts).

Re Claim 4, ARP associates the MAC informaton with the IP information (first/second packet)

Re Claims 8-10, ASIC is coupled to the plurality of network ports, whether the first, second, third, and forth host belongs to the same or different network, the ASIC would perform the same switching function.

Re Claim 44, refer to Claim 1, wherein the lookup function by the 101 & 102 of the layer 2 & 3 in 103 & 104 determines if the address exists.

***Allowable Subject Matter***

5. Claims 2, 3, and 5-7 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

6. The following is a statement of reasons for the indication of allowable subject matter:

Prior art fails to teach in combination of Claims 1 and 2, an address resolution hash table comprising of first and second hash entries wherein the hash entries are of 2 nd and 3rd layer addresses and stored in the address resolution records table and linked to the resolution hash table.

7. Claims 11-25 and 27-43 are allowed.

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8. Inquiry concerning this communication or earlier communications from the examiner should be directed to Andrew Lee whose telephone number is 703)305-1500. The examiner can normally be reached on Monday-Friday from 8:30 AM - 6:00PM, Eastern Time. If attempts to reach the examiner by telephone are not successful, the examiner's supervisor, **Mr. Chau Nguyen**, can be reached on 703)308-5340.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks Washington, DC 20231 or faxed to:

(703) 308-9051, for formal communications intended for entry or (703) 308-5403,

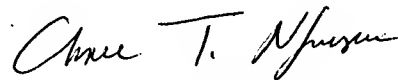
for informal or draft communications, please label "**PROPOSED**" or "**DRAFT**".

Hand-delivered responses should be brought to: Crystal Park II, 2121 Crystal Drive, Arlington, Virginia Sixth Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the group receptionist whose telephone number is 703)305-3900.

  
Andrew Lee

November 17, 2000



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